



## PATENT APPLICATION

Sheet 1 of 1

FORM PTO-1449

LIST OF PATENTS AND PUBLICATIONS FOR  
APPLICANT'S INFORMATION DISCLOSURE  
STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.

10001077-1

APPLICATION NO.

09/881,424

CONFIRMATION NO.

APPLICANT

Wittenbrink

FILING DATE

06/14/01

GROUP

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL |    | DOCUMENT<br>NUMBER | DATE       | NAME                   | CLASS | SUB<br>CLASS |
|---------------------|----|--------------------|------------|------------------------|-------|--------------|
|                     | 1A | 5,388,206          | 02/07/1995 | John W. Poulton, et al | 395   | 163          |
|                     | 1B | 5,363,475          | 11/08/1994 | S.J. Baker, et al      | 395   | 122          |
|                     | 1C |                    |            |                        |       |              |
|                     | 1D |                    |            |                        |       |              |
|                     | 1E |                    |            |                        |       |              |
|                     | 1F |                    |            |                        |       |              |
|                     | 1G |                    |            |                        |       |              |
|                     | 1H |                    |            |                        |       |              |
|                     | 1I |                    |            |                        |       |              |
|                     | 1J |                    |            |                        |       |              |
|                     | 1K |                    |            |                        |       |              |

RECEIVED  
OCT 24 2001  
Technology Center

## FOREIGN PATENT DOCUMENTS

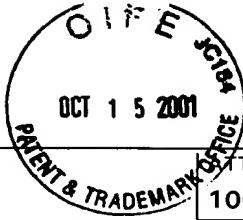
|  |    | DOCUMENT<br>NUMBER | DATE | NAME | CLASS | SUB<br>CLASS | TRANSLATION |    |
|--|----|--------------------|------|------|-------|--------------|-------------|----|
|  |    |                    |      |      |       |              | YES         | NO |
|  | 1L |                    |      |      |       |              |             |    |
|  | 1M |                    |      |      |       |              |             |    |
|  | 1N |                    |      |      |       |              |             |    |
|  | 1O |                    |      |      |       |              |             |    |
|  | 1P |                    |      |      |       |              |             |    |

## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

|  |    |  |
|--|----|--|
|  | 1Q | K. Akeley, "Reality Engine Graphics", Proceedings of SIGGRAPH, pp 109-116, Anaheim, CA (Aug 1993)  |
|  | 1R | L. Carpenter. "The A-Buffer, An Antialiased Hidden Surface Method." In Proceedings of SIGGRAPH, pp. 103-108. ACM, (July 1984) Vol 18, no. 3. |
|  | 1S | N. Green, et al, "Hierarchial Z-Buffer Visibility." In Proceedings of SIGGRAPH, pp 231-238, Anaheim, CA (Aug 1993)                           |

EXAMINER

DATE CONSIDERED



## PATENT APPLICATION

Sheet 2 of 2

FORM PTO-1449

LIST OF PATENTS AND PUBLICATIONS FOR  
APPLICANT'S INFORMATION DISCLOSURE  
STATEMENT

(Use several sheets if necessary)

PRIORITY DOCKET NO.

10001077-1

APPLICATION NO.

09/881,424

CONFIRMATION NO.

APPLICANT

Wittenbrink

FILING DATE

06/14/01

GROUP

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL |    | DOCUMENT<br>NUMBER | DATE | NAME | CLASS | SUB<br>CLASS |
|---------------------|----|--------------------|------|------|-------|--------------|
|                     | 2A |                    |      |      |       |              |
|                     | 2B |                    |      |      |       |              |
|                     | 2C |                    |      |      |       |              |
|                     | 2D |                    |      |      |       |              |
|                     | 2E |                    |      |      |       |              |
|                     | 2F |                    |      |      |       |              |
|                     | 2G |                    |      |      |       |              |
|                     | 2H |                    |      |      |       |              |
|                     | 2I |                    |      |      |       |              |
|                     | 2J |                    |      |      |       |              |
|                     | 2K |                    |      |      |       |              |

RECEIVED  
OCT 24 2001  
Technology Center (East)

## FOREIGN PATENT DOCUMENTS

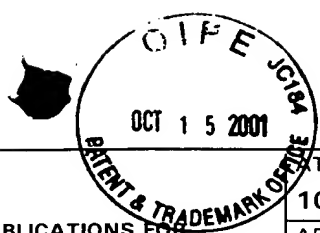
|  |    | DOCUMENT<br>NUMBER | DATE | NAME | CLASS | SUB<br>CLASS | TRANSLATION |    |
|--|----|--------------------|------|------|-------|--------------|-------------|----|
|  |    |                    |      |      |       |              | YES         | NO |
|  | 2L |                    |      |      |       |              |             |    |
|  | 2M |                    |      |      |       |              |             |    |
|  | 2N |                    |      |      |       |              |             |    |
|  | 2O |                    |      |      |       |              |             |    |
|  | 2P |                    |      |      |       |              |             |    |

## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

|    |  |
|----|--|
| 2Q | M. Kelly, et al, "Hardward Accelerated Rendering of CSG and Transparency." In Proceedings of SIGGRAPH, pp 177-184, Orlando, FL (July 1994)                               |
| 2R | A. Mammen, "Transparency and Antialiasing Algorithms Implemented With The Virtual Pixel Maps Technique" IEEE Computer Graphics and Applications, 9(4):43-55, (July 1994) |
| 2S | S. Molnar, et al, "A Sorting Classification of Parallel Rendering." IEEE Computer Graphics and Applications, 14(4):23-32, (July 1994)                                    |

EXAMINER

DATE CONSIDERED



## PATENT APPLICATION

Sheet 3 of 3

FORM PTO-1449

LIST OF PATENTS AND PUBLICATIONS FOR  
APPLICANT'S INFORMATION DISCLOSURE  
STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.

10001077-1

APPLICATION NO.

09/881,424

CONFIRMATION NO.

APPLICANT

Wittenbrink

FILING DATE

06/14/01

GROUP

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL |    | DOCUMENT<br>NUMBER | DATE | NAME | CLASS | SUB<br>CLASS |
|---------------------|----|--------------------|------|------|-------|--------------|
|                     | 3A |                    |      |      |       |              |
|                     | 3B |                    |      |      |       |              |
|                     | 3C |                    |      |      |       |              |
|                     | 3D |                    |      |      |       |              |
|                     | 3E |                    |      |      |       |              |
|                     | 3F |                    |      |      |       |              |
|                     | 3G |                    |      |      |       |              |
|                     | 3H |                    |      |      |       |              |
|                     | 3I |                    |      |      |       |              |
|                     | 3J |                    |      |      |       |              |
|                     | 3K |                    |      |      |       |              |

RECEIVED  
OCT 24 2001  
Patenting Division

## FOREIGN PATENT DOCUMENTS

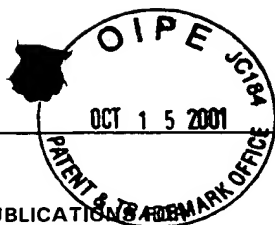
|  |    | DOCUMENT<br>NUMBER | DATE | NAME | CLASS | SUB<br>CLASS | TRANSLATION |    |
|--|----|--------------------|------|------|-------|--------------|-------------|----|
|  |    |                    |      |      |       |              | YES         | NO |
|  | 3L |                    |      |      |       |              |             |    |
|  | 3M |                    |      |      |       |              |             |    |
|  | 3N |                    |      |      |       |              |             |    |
|  | 3O |                    |      |      |       |              |             |    |
|  | 3P |                    |      |      |       |              |             |    |

## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

|    |  |
|----|--|
| 3Q | S. Molnar, et al, "Pixelflow: High-Speed Rendering Using Image Compositio." In Proceedings of SIGGRAPH '92, pp 231-240, Chicago, IL, (July 1992) |
| 3R | T. Porter, et al "Compositing Digital Images." In Computer Graphics, pp253-259, (Aug 1994)   |
| 3S | I.E. Sutherland, et al, "A Characterization of Ten Hidden-Surface Algorithms." Computer Surveys, 6(1):1-55, (Mar1974)                            |

EXAMINER

DATE CONSIDERED



## PATENT APPLICATION

Sheet 4 of 4

FORM PTO-1449

LIST OF PATENTS AND PUBLICATIONS FROM  
APPLICANT'S INFORMATION DISCLOSURE  
STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.

10001077-1

APPLICATION NO.

09/881,424

CONFIRMATION NO.

APPLICANT

Wittenbrink

FILING DATE

06/14/01

GROUP

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL |    | DOCUMENT<br>NUMBER | DATE | NAME | CLASS | SUB<br>CLASS |
|---------------------|----|--------------------|------|------|-------|--------------|
|                     | 4A |                    |      |      |       |              |
|                     | 4B |                    |      |      |       |              |
|                     | 4C |                    |      |      |       |              |
|                     | 4D |                    |      |      |       |              |
|                     | 4E |                    |      |      |       |              |
|                     | 4F |                    |      |      |       |              |
|                     | 4G |                    |      |      |       |              |
|                     | 4H |                    |      |      |       |              |
|                     | 4I |                    |      |      |       |              |
|                     | 4J |                    |      |      |       |              |
|                     | 4K |                    |      |      |       |              |

RECEIVED

OCT 24 2001

Technology Center

## FOREIGN PATENT DOCUMENTS

|  |    | DOCUMENT<br>NUMBER | DATE | NAME | CLASS | SUB<br>CLASS | TRANSLATION |    |
|--|----|--------------------|------|------|-------|--------------|-------------|----|
|  |    |                    |      |      |       |              | YES         | NO |
|  | 4L |                    |      |      |       |              |             |    |
|  | 4M |                    |      |      |       |              |             |    |
|  | 4N |                    |      |      |       |              |             |    |
|  | 4O |                    |      |      |       |              |             |    |
|  | 4P |                    |      |      |       |              |             |    |

## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

|    |  |
|----|--|
| 4Q | S. Winner, et al. "A Hardware Accelerated Rendering of Antialiasing Using A Modified A-Buffer Algorithm." In Proceedings of SIGGRAPH, pp 307-316, Los Angeles, CA (Aug 1997) |
| 4R | OpenGL92, OpenGL (Architectural Review Board.) Open GL Reference Manual. Addison-Wesley Readings, MA 1992  |
| 4S |  |

EXAMINER

DATE CONSIDERED